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# UTILITY PATENT APPLICATION TRANSMITTAL

*(Only for new nonprovisional applications under 37 CFR § 1.53(b))*

Attorney Docket No.	0609.4810002/JAG/FRC
First Inventor	Bush et al.
Title	Method of Screening for Drugs Useful in Treating Alzheimer's Disease
Express Mail Label No.	

PTO  
22388 US  
10/643226  
08/19/03

## APPLICATION ELEMENTS

*See MPEP chapter 600 concerning utility patent application contents.*

- |  |  |
|--|--|
| <p>1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17)<br/><i>(Submit an original, and a duplicate for fee processing)</i></p> <p>2. <input checked="" type="checkbox"/> Applicant claims small entity status.<br/>See 37 CFR 1.27.</p> <p>3. <input checked="" type="checkbox"/> Specification [Total Pages <u>73</u>]<br/><i>(preferred arrangement set forth below)</i> <ul style="list-style-type: none"> <li>- Descriptive title of the Invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (<i>if filed</i>)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> </p> <p>4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) [Total Sheets <u>22</u>]</p> <p>5. Oath or Declaration [Total Pages <u>6</u>]           <ul style="list-style-type: none"> <li>a. <input type="checkbox"/> Newly executed (original or copy)</li> <li>b. <input checked="" type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/><i>(for continuation/divisional with Box 18 completed)</i> <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR §§ 1.63(d)(2) and 1.33(b).</li> </ul> </li> </ul> </p> <p>6. <input checked="" type="checkbox"/> Application Data Sheet. See 37 CFR 1.76.</p> | <p>7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program<br/><i>(Appendix)</i></p> <p>8. Nucleotide and/or Amino Acid Sequence Submission<br/><i>(if applicable, all necessary)</i> <ul style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> <u>Request to Open New Disk File</u></li> <li>b. Specification Sequence Listing on:               <ul style="list-style-type: none"> <li>i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or</li> <li>ii. <input checked="" type="checkbox"/> paper</li> </ul> </li> <li>c. <input checked="" type="checkbox"/> Statements verifying identity of above copies</li> </ul> </p> |
|--|--|

## ACCOMPANYING APPLICATION PARTS

- |   |   |
|---|---|
| <p>9. <input type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))</p> <p>10. <input checked="" type="checkbox"/> 37 CFR 3.73(b) Statement <input checked="" type="checkbox"/> Power of Attorney</p> <p>11. <input type="checkbox"/> English Translation Document <i>(if applicable)</i></p> <p>12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations</p> <p>13. <input checked="" type="checkbox"/> Preliminary Amendment</p> <p>14. <input checked="" type="checkbox"/> Two (2) Return Receipt Postcard (MPEP 503)</p> <p>15. <input type="checkbox"/> Certified Copy of Priority Document(s)</p> <p>16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.</p> <p>17. <input checked="" type="checkbox"/> Other: <u>Authorization under 37 C.F.R. § 1.136(a)(3)</u></p> | <p><input type="checkbox"/> Other: <u>The name of the assignee is: The General Hospital Corporation</u></p> |
|---|---|

18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation  Divisional  Continuation-in-Part (CIP) of prior application No: 09/560,883

Prior application information: Examiner: Bunner, B.

Group/Art Unit: 1647

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

Customer Number 26111

or  Correspondence address below

NAME	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.		
Attorneys at Law			
ADDRESS			
CITY	STATE	ZIP CODE	
COUNTRY	TELEPHONE	FAX	

NAME (Print/Type)	Frank R. Cottingham	Registration No. (Attorney/Agent)	50,437
SIGNATURE			
Date	AUG. 19, 2003		

This collection of information is required by 37 CFR 1.53(d). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you are required to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. SKGF Rev 5/16/03 mac #169007v1<SKGF\_DC1>-Divisional Appl\_SB05.wpd



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27**TOTAL AMOUNT OF PAYMENT (\$)** 791.00**Complete if Known**

<b>Application Number</b>	<b>To be assigned</b> <i>(Divisional of 09/560,883; Filed: April 28, 2000)</i>
<b>Filing Date</b>	<b>August 19, 2003</b>
<b>First Named Inventor</b>	<b>Ashley I. Bush</b>
<b>Examiner Name</b>	<b>To b assigned</b>
<b>Art Unit</b>	<b>To b assigned</b>
<b>Attorney Docket No.</b>	<b>0609.4810002/JAG/FRC</b>

**METHOD OF PAYMENT (check all that apply)**

- Check  Credit card  Money Order  Other\*\*  None  
 \*\* Charge any deficiencies or credit any overpayments in the fees or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 19-0036.

Deposit Account  
 Deposit Account Number 19-0036  
 Deposit Account Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

**The Commissioner is authorized to: (check all that apply)**

- Charge fee(s) indicated below  Credit any over payments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

**FEE CALCULATION (continued)****3. ADDITIONAL FEES****Large Entity Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge - late filing fee or oath	
1502	50	2052	25	Surcharge-late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,300	2453	650	Petition to revive - unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1806	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	750	2810	375	For each additional invention to be examined (37 CFR 1.129(b))	
1801	750	2801	375	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	
Other fee (specify) _____					

**FEE CALCULATION****1. BASIC FILING FEE****Large Entity Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility filing fee	375.00
1002	330	2002	165	Design filing fee	
1003	520	2003	260	Plant filing fee	
1004	750	2004	375	Reissue filing fee	
1105	160	2005	80	Provisional filing fee	
<b>SUBTOTAL (1) (\$)</b> 375.00					

**2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE**

Extra	Fee from below	Fee Paid
Total Claims 32	- 20** = 12 X 9	= 108.00
Indep. Claims 7	- 3** = 4 X 42	= 168.00
Multiple Dependent	1	= 140.00

**Large Entity Small Entity**

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	
1202	18	2202	9	Claims in excess of 20	
1201	84	2201	42	Independent claims in excess of 3	
1203	280	2203	140	Multiple dependent claim, if not paid	
1204	84	2204	42	**Reissue independent claims over original patent	
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent	
<b>SUBTOTAL (2) (\$)</b> 416.00					

\*\* or number previously paid, if greater; For Reissue, see above

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$)** \_\_\_\_\_**SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)	Frank R. Cottingham	Registration No. (Attorney/Agent)	50,437	Telephone	202-371-2600
Signature	<i>Frank R. Cottingham</i>				Date <b>AUG. 19, 2003</b>

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, O.P. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2. SKGF Rev 5/23/03 MACSKGF DC1 1689221



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\* Admitted only in Maryland  
- Admitted only in Virginia  
♦ Practice Limited to Federal Agencies

August 19, 2003

**WRITER'S DIRECT NUMBER:**  
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**INTERNET ADDRESS:**  
FRANKC@SKGF.COM

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

**Mail Stop Patent Application**

Re: U.S. Non-Provisional Utility Patent Application under 37 C.F.R. § 1.53(b)  
(*Divisional of 09/560,883; Filed: April 28, 2000*)

Appl. No. To be assigned; Filed: August 19, 2003

For: **Method of Screening for Drugs Useful in Treating Alzheimer's Disease**

Inventors: Bush *et al.*

Our Ref: 0609.4810002/JAG/FRC

Dear Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

1. PTO Fee Transmittal (Form PTO/SB/17);
2. PTO Utility Patent Application Transmittal (Form PTO/SB/05);
3. Authorization to Treat a Reply As Incorporating An Extension of Time Under 37 C.F.R. § 1.136(a)(3);
4. An Application Data Sheet (37 C.F.R. § 1.76);
5. U.S. Utility Patent Application entitled:

**Method of Screening for Drugs Useful in Treating Alzheimer's Disease**

Commissioner for Patents  
August 19, 2003  
Page 2

and naming as inventors:

ASHLEY I. BUSH  
XUDONG HUANG  
CRAIG S. ATWOOD  
RUDOLPH E. TANZI

the application consisting of:

- a. A specification containing:
  - i. 63 pages of description prior to the claims;
  - ii. 9 pages of claims (38 claims); and
  - iii. a one (1) page abstract;
- b. A copy of the executed Declaration, as originally filed in U.S. Appl. No. 09/560,883; and
- c. 22 sheets of drawings: (Figs. 1, 2A, 2B, 2C, 3, 4A, 4B, 4C, 5A, 5B, 6, 7, 8, 9, 10, 11, 12, 13A, 13B, 14A-14B, 15A-15B, and 15C);
6. A copy of the executed Power of Attorney from Assignee as filed in U.S. Appl. No. 09/560,883;
7. A Certificate under 37 C.F.R. § 3.73(b) from Assignee with a copy of the Assignment as filed in U.S. Appl. No. 09/560,883;
8. A Preliminary Amendment;
9. A paper copy of a Sequence Listing;
10. Request to Open New Disk File;
11. Two (2) return postcards; and
12. Form PTO-2038 Credit Card Payment in the amount of **\$791.00** to cover:  
    \$375.00 - Filing fee for patent application; and  
    \$416.00 - Fee for excess claims.

Commissioner for Patents  
August 19, 2003  
Page 3

It is respectfully requested that, of the two attached postcards, one be stamped with the filing date of these documents and returned to our courier, and the other, prepaid postcard, be stamped with the filing date and unofficial application number and returned as soon as possible. The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

*Frank R. Cottingham*  
Frank R. Cottingham  
Attorney for Applicants  
Registration No. 50,437

FRC/pcd  
Encls.

::ODMA\MHODMA\SKGF\_DC1;168822;1



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Bush *et al.*

Appl. No. To be assigned

(Divisional of 09/560,883; Filed: April 28, 2000)

Filed: August 19, 2003

For: **Method of Screening for Drugs  
Useful in Treating Alzheimer's  
Disease**

Confirmation No. To be assigned

Art Unit: To be assigned

Examiner: To be assigned

Atty. Docket: 0609.4810002/JAG/FRC

**Authorization To Treat A Reply As Incorporating An Extension Of  
Time Under 37 C.F.R. § 1.136(a)(3)**

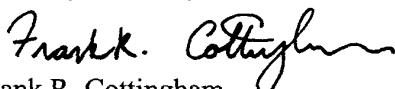
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

The U.S. Patent and Trademark Office is hereby authorized to treat any concurrent or future reply that requires a petition for an extension of time under this paragraph for its timely submission, as incorporating a petition for extension of time for the appropriate length of time. The U.S. Patent and Trademark Office is hereby authorized to charge all required extension of time fees to our Deposit Account No. 19-0036, if such fees are not otherwise provided for in such reply.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

  
Frank R. Cottingham  
Attorney for Applicants  
Registration No. 50,437

Date: AUG. 19, 2003  
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SKGF\_DC1:168993.1